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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/714,009

11/13/2003

Glenn A. Walker

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1981

22851

7590

09/13/2006

DELPHI TECHNOLOGIES, INC.

M/C 480-410-202

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TROY, MI 48007

EXAMINER

GESESSE, TILAHUN

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 09/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/714,009

Applicant(s)

WALKER ET AL.

Examiner

Tilahun B. Gesessse

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-18 is/are allowed.
- 6) ☐ Claim(s) 19-21 is/are rejected.
- 7) ☐ Claim(s) 22 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/20/05.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Specification***

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Claim Objections***

Claim 14 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claim 14 depends on claim 14, improper dependency, therefore, correction of dependency of claim 14 is required.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 19-21 rejected under 35 U.S.C. 103(a) as being unpatentable over Freedland (US 6,148,175) in view of Dolf (US 7, 065,342).

Claims 19 and 21. Freedland teaches an audio receiver unit, (an entertainment system see fig, 4 and abstract) comprising:

Freedland teaches a wireless interface including a port coupled to an antenna, an output and a signal input (see fig. 4 items #152 and 140 and col. 6, lines 7-68).

Freedland teaches a source decoder (sound encoder #156 of fig. 4) including an input and an output, (157 input and output to audio transmitter 140 of fig.4)

Freedland teaches the input of the source decoder is coupled to the output of the wireless interface (see col. 6, lines 21-52 and fig. 4) in which the encoded video signal input to the decoder and also couple to transmitter.

Freedland teaches a content encoder (150) including an input and an output, wherein the input of the content encoder is coupled to the output of the source decoder and the output of the content encoder is coupled to a signal input of the second wireless interface (see fig. 4 and item 150 encoder video and audio signals, col. 6, lines 21-52). Freedland does not teach MP3 encoder. However, Dolf teaches MP3 usical recordings may be encoded and format (see col. 5, lines 30-45). Both Freedland and Dolf teaches musical entertainment field of endeavor , then it would have been obvious to an artisan of ordinary skill in the art at the time of the invention was made to utilize a Mpeg-1 audio layer 3 encoder in freedland invention, as taught by Dolf, for different album or CD type of music to be format in order to be tuned by conventional reception receivers.

Claim 20. Freedland does not teach the wireless interface implements a BLUETOOTH. However, Dolf teaches a local area wireless connection or protocol , such as Bluetooth and other such technology (see col.2, lines 45-51). Both Freedland

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and Dolf teaches musical entertainment field of endeavor , then it would have been obvious to an artisan of ordinary skill in the art at the time of the invention was made to utilize blue tooth technology for music distribution for receivers that are located in a short range.

***Allowable Subject Matter***

Claim 22 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: Freedland in view of Dolf do not teach a human-machine interface (HMI) coupled to the source decoder, wherein the HMI is configured to allow an operator to change to a desired channel.

Claims 1-12,15-18 are allowed .

The following is an examiner's statement of reasons for allowance:

Freedland in view of Dolf do not teach a second wireless interface including a second port coupled to a third antenna, an output and a signal input, wherein the second wireless interface is configured to communicate with the first wireless interface; a source decoder including an input and an output, wherein the input of the source decoder is coupled to the output of the second wireless interface; and a content

encoder including an input and an output, wherein the input of the content encoder is coupled to the output of the source decoder and the output of the content encoder is coupled to a signal input of the second wireless interface.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899.

The Central FAX Number is 571-273-8300. For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public

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PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TG

8/30/06

  
**TILAHUN GESESSE**  
**PRIMARY EXAMINER**